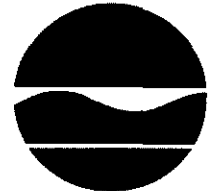


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New York State Department of Environmental Conservation
Division of Fish, Wildlife and Marine Resources
Wildlife Pathology Unit
108 Game Farm Road, Delmar, NY 12054



Erin Crotty
Commissioner

M E M O R A N D U M

TO: Art Johnsen
FROM: Ward Stone
SUBJECT: Eastern Screech Owl (03-16-14)
DATE: November 17, 2004

The following is a summary of history and findings for this case.

History: Found dead in a barn along County Route 6 (1 mile above the intersection with County Route 7) in the Town of Otego, (Otsego County), on 18 February 2003.

Findings: This red-phase adult female screech owl was in poor flesh and weighted 131g. The stomach was devoid of food and was coated with a dark paste (tinged with blood and/or bile). The intestine contained a small amount of fluid that included blood and/or bile. The skeletal muscle was not pale. No signs of trauma were observed.

Virology: (Test for West Nile Virus was done by the ARBO Virus Laboratory of the New York State Department of Health): The test was negative for West Nile Virus.

Toxicology (See attached laboratory report(s) from the Illinois Department of Agriculture, Bureau of Animal Disease Laboratory, Centralia, Illinois): Analysis for anticoagulant rodenticides in the liver indicated the presence of 0.035 ppm brodifacoum.

Diagnosis: Possible starvation, possibly secondary to brodifacoum exposure.

Comments: Although a starvation diagnosis may suffice, the presence of brodifacoum raises the possibility that this adult owl, presumably less susceptible to starvation than first year birds, may have been weakened by anticoagulant-mediated blood loss at an earlier point in time.

Wildlife Pathologist

WBS:rd

cc: J. Mastrolta (USEPA)
L. Skinner
Toxicant Binder

ISB
red
12/7/04



Rod R. Blagojevich, Governor

Bureau of Animal Disease Laboratory • 9732 Shattuc Rd. • Centuria, IL 62801-5858 • 618/532-6701 • Fax 618/532-1195

Accession No: 335655

TOXICOLOGY

DR WARD STONE
NEW YORK WILDLIFE
108 GAME FARM ROAD
DELMAR NY 12054

Date Submitted: 10/18/2004
Date Reported: 11/3/2004

PH: 518-4783032 FAX: 518 - 4783035

Sample ID	Family:	Species:	Breed:	Sex:	Age:	Wt:
03-16-14	Raptor	Owl	Eastern Screech			
Notes:						

LABORATORY FINDINGS

TOXICOLOGY RESULTS:

03-16-14 LIVER RODENTICIDE SCREEN: Brodifacoum - .035 ppm

ALL OTHER RODENTICIDES - NONE DETECTED

THE FOLLOWING TOXINS ARE INCLUDED IN THE RODENTICIDE SCREEN

FUMARIN	DIPHACINONE
RACUMIN	PINDONE
WARFARIN	VALONE
COUMACHLOR	CHLOROPHACINONE
DIFENACOU	BROMADIOLONE
BRODIFACOU	DIFETHIALONE

JS 11/3/2004


James R. Stedelin, Chemist

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